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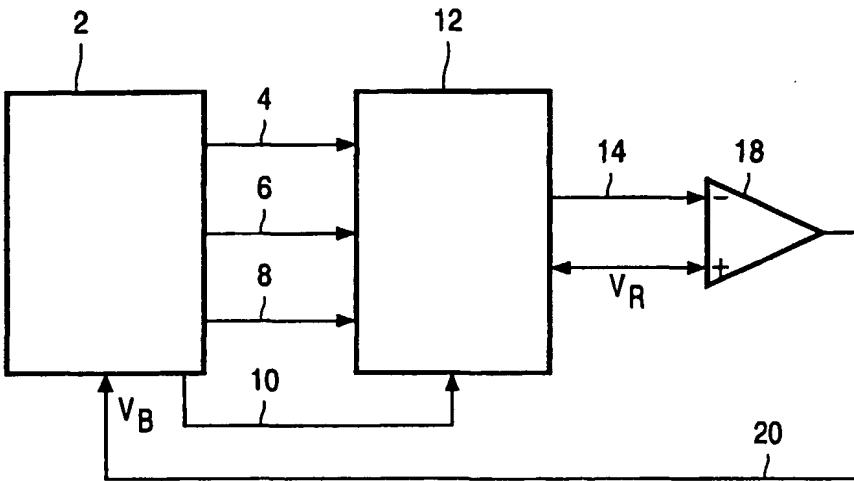
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[Continued on next page]

(54) Title: CIRCUIT AND METHOD FOR CONTROLLING THE THRESHOLD VOLTAGE OF TRANSISTORS



(57) Abstract: A control unit controlling a threshold voltage of a circuit unit (2) having a plurality of transistor devices, comprising a reference circuit; a measuring unit (12) measuring a threshold voltage of at least one sensing transistor of the circuit unit (2) and measuring a threshold voltage of at least one reference transistor of the reference circuit; a differential voltage generator (18) generating a differential voltage from outputs of the measuring unit (12) and a bulk connection of the transistor devices in the circuit unit (2) to which the differential voltage is fed as a biasing voltage (VB).

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INTERNATIONAL SEARCH REPORT

Int	ional Application No
PCT/IB 03/03473	

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H03K19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT
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Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 397 934 A (FARRENKOPF DOUG R ET AL) 14 March 1995 (1995-03-14) column 10, line 49 -column 11, line 30; figure 4 -----	1-17
A	US 5 017 811 A (WORLEY EUGENE R) 21 May 1991 (1991-05-21) column 3, line 46 -column 4, line 17; figure 4 -----	1-17
A	US 4 791 318 A (LEFTON SCOTT ET AL) 13 December 1988 (1988-12-13) the whole document -----	1-17

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date		Patent family member(s)		Publication date
US 5397934	A	14-03-1995	DE 69408320 D1 DE 69408320 T2 EP 0704072 A1 JP 8508600 T WO 9423353 A1		05-03-1998 27-08-1998 03-04-1996 10-09-1996 13-10-1994
US 5017811	A	21-05-1991	NONE		
US 4791318	A	13-12-1988	NONE		